

ALBERT EINSTEIN

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033072-022
Attorney's Docket No.**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**
(Includes Reference to PCT International Applications)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Constitutively Desensitized G Protein-Coupled Receptors

the specification of which (check only one item below):

- ☐ is attached hereto.
- ☒ was filed as United States application
Number 10/054,616 on January 22, 2002
and was amended on _____ (if applicable).
- ☐ was filed as PCT international application
Number _____ on _____
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119(a)-(d):				
COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. §119	
U.S.A.	60/263,406	23 January 2001	X Yes	No
			Yes	No
			Yes	No
			Yes	No
			Yes	No

Combined Declaration for Patent Application and Power of Attorney
(Includes Reference to PCT International Applications)
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I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

William L. Mathis	17,337	Eric H. Weisblatt	30,505	Bruce T. Wieder	33,815
Robert S. Swecker	19,885	James W. Peterson	26,057	Todd R. Walters	34,040
Platon N. Mandros	22,124	Teresa Stanek Rea	30,427	Ronni S. Jillions	31,979
Benton S. Duffett, Jr.	22,030	Robert E. Krebs	25,885	Harold R. Brown III	36,341
Norman H. Stepno	22,716	William C. Rowland	30,888	Allen R. Baum	36,086
Ronald L. Grudziecki	24,970	T. Gene Dillahunty	25,423	Brian P. O'Shaughnessy	32,747
Frederick G. Michaud, Jr.	26,003	Patrick C. Keane	32,858	Kenneth B. Leffler	36,075
Alan E. Kopecki	25,813	B. Jefferson Boggs, Jr.	32,344	Fred W. Hathaway	32,236
Regis E. Slutter	26,999	William H. Benz	25,952	Wendi L. Weinstein	34,456
Samuel C. Miller, III	27,360	Peter K. Skiff	31,917	Mary Ann Dillahunty	34,576
Robert G. Mukai	28,531	Richard J. McGrath	29,195		
George A. Hovanec, Jr.	28,223	Matthew L. Schneider	32,814		
James A. LaBarre	28,632	Michael G. Savage	32,596		
E. Joseph Gess	28,510	Gerald F. Swiss	30,113		
R. Danny Huntington	27,903	Charles F. Wieland III	33,096		



21839

and: Melissa M. Hayworth, Reg. No. 45,774; Malcolm K. McGowan, Reg. No. 39,300; Mary B. Grant, Reg. No. 32,176

Address all correspondence to:



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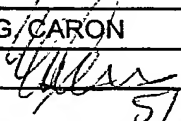
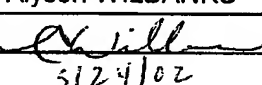
Allen R. Baum
BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
ALEXANDRIA, VIRGINIA 22313-1404

Address all telephone calls to: Allen R. Baum at (919) 941-9240.

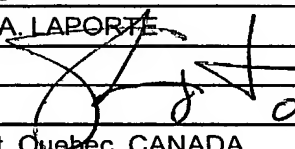
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	Larry S. BARAK
Signature	<i>L. Barak</i>
Date	5/23/02
Residence (City, State, Country)	Durham, North Carolina USA
Citizenship	United States of America
Mailing Address	5248 Inverness Drive
City, State, ZIP, Country	Durham, North Carolina 27712 USA
FULL NAME SECOND INVENTOR, IF ANY	Robert H. OAKLEY
Signature	<i>Robert H. Oakley</i>
Date	5-10-02
Residence (City, State, Country)	Durham, North Carolina USA
Citizenship	United States of America
Mailing Address	703 Braden Drive
City, State, ZIP, Country	Durham, North Carolina 27713 USA

Combined Declaration for Patent Application and Power of Attorney
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FULL NAME THIRD INVENTOR, IF ANY	Marc G. CARON
Signature	
Date	5/22/2002
Residence (City, State, Country)	Durham, North Carolina USA
Citizenship	United States of America
Mailing Address	803 Pleasant Green Road
City, State, ZIP, Country	Hillsborough, North Carolina USA
FULL NAME FOURTH INVENTOR, IF ANY	Stephane A. LAPORTE
Signature	
Date	
Residence (City, State, Country)	Outremont, Quebec, CANADA
Citizenship	Canadian
Mailing Address	820 Ave de l'epee
City, State, ZIP, Country	Outremont, Quebec H2V3V3 CANADA
FULL NAME FIFTH INVENTOR, IF ANY	Alyson WILBANKS
Signature	
Date	5/24/02
Residence (City, State, Country)	Chapel Hill, North Carolina USA
Citizenship	United States of America
Mailing Address	8101 Reynard Road
City, State, ZIP, Country	Chapel Hill, North Carolina 27516 USA
FULL NAME SIXTH INVENTOR, IF ANY	
Signature	
Date	
Residence (City, State, Country)	
Citizenship	
Mailing Address	
City, State, ZIP, Country	
FULL NAME SEVENTH INVENTOR, IF ANY	
Signature	
Date	
Residence (City, State, Country)	
Citizenship	
Mailing Address	
City, State, ZIP, Country	

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Page 3 of 3

FULL NAME THIRD INVENTOR, IF ANY	Marc G. CARON
Signature	
Date	
Residence (City, State, Country)	Durham, North Carolina USA
Citizenship	United States of America
Mailing Address	803 Pleasant Green Road
City, State, ZIP, Country	Hillsborough, North Carolina USA
FULL NAME FOURTH INVENTOR, IF ANY	Stephane A. LAPORTE
Signature	
Date	06-01-2002
Residence (City, State, Country)	Outremont, Quebec, CANADA
Citizenship	Canadian
Mailing Address	820 Ave deL'eppee
City, State, ZIP, Country	Outremont, Quebec H2V3V3 CANADA
FULL NAME FIFTH INVENTOR, IF ANY	Alyson WILBANKS
Signature	
Date	
Residence (City, State, Country)	Chapel Hill, North Carolina USA
Citizenship	United States of America
Mailing Address	8101 Reynard-Road
City, State, ZIP, Country	Chapel Hill, North Carolina 27516 USA
FULL NAME SIXTH INVENTOR, IF ANY	
Signature	
Date	
Residence (City, State, Country)	
Citizenship	
Mailing Address	
City, State, ZIP, Country	
FULL NAME SEVENTH INVENTOR, IF ANY	
Signature	
Date	
Residence (City, State, Country)	
Citizenship	
Mailing Address	
City, State, ZIP, Country	

FORM PTO-1595
(Rev. 6/93)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECORDATION FORM COVER SHEET
PATENTS ONLY

Attorney's Docket No. 033072-022

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Larry S. Barak; Robert H. Oakley; Stephane A. Laporte; Marc G. Caron; and Alyson Wilbanks

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: May 23, 2002; May 10, 2002; June 1, 2002; May 24, 2002; and May 24, 2002; respectively.

2. Name and address of receiving party(ies):

Name: Duke University

Address: Erwin Road

Durham, NC

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 10/054,616

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Allen R. Baum

Address: Burns, Doane, Swecker & Mathis, L.L.P.

Post Office Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Melissa M. Hayworth, Reg. No. 45,774
Name of Person Signing

Melissa M. Hayworth
Signature

June 17, 2002
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

ASSIGNMENT (JOINT)

THIS ASSIGNMENT, by Larry S. BARAK, Robert H. OAKLEY, Stephane A. LAPORTE, Marc G. CARON and Alyson WILBANKS, residing at DURHAM, NORTH CAROLINA, USA, DURHAM, NORTH CAROLINA, USA, DURHAM, NORTH CAROLINA, USA, HILLSBOROUGH, NORTH CAROLINA, USA, and CHAPEL HILL, NORTH CAROLINA, USA (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in Constitutively Desensitized G Protein-coupled Receptors set forth in an application for Letters Patent of the United States,

- (1) ☐ which is a provisional application
 - (a) ☐ bearing Application No. , and filed on ; or
 - (b) ☐ to be filed herewith; or
- (2) ☒ which is a non-provisional application
 - (a) ☒ bearing Application No. 10/054,616, and filed on January 22, 2002;
 - (b) ☐ having an oath or declaration executed on even date herewith prior to filing of application;
 - (c) ☐ having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, Duke University, an educational institution and having its principal place of business at ERWIN ROAD, DURHAM, NORTH CAROLINA (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the

term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Burns, Doane, Swecker & Mathis, L.L.P. of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 5-23-02 Signature of Assignor L Barak
Larry S. BARAK

Date 5-10-02 Signature of Assignor Robert H. Oakley
Robert H. OAKLEY

Date _____ Signature of Assignor _____
Stephane A. LAPORTE

Date 5/24/02 Signature of Assignor Marc G. Caron
Marc G. CARON

Date 5/24/02 Signature of Assignor Alyson Wilbanks
Alyson WILBANKS

Date _____ Signature of Assignor _____

term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Burns, Doane, Swecker & Mathis, L.L.P. of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date _____ Signature of Assignor _____
Larry S. BARAK

Date _____ Signature of Assignor _____
Robert H. OAKLEY

Date 06-01-2002 Signature of Assignor _____
Stephane A. LAPORTE

Date _____ Signature of Assignor _____
Marc G. CARON

Date _____ Signature of Assignor _____
Alyson WILBANKS

Date _____ Signature of Assignor _____